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NOTICE OF ALLOWANCE AND FEE(S) DUE

27045

7590

03/16/2010

ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024 EXAMINER

TRINH, TAN H

ART UNIT PAPER NUMBER

2618

DATE MAILED: 03/16/2010

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/551,080	08/02/2007	Joakim Bergstrom	P18218-US1	6351

TITLE OF INVENTION: RLC WINDOW SIZE RECONFIGURATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/16/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Not Fee pap	e: A certificate of m (s) Transmittal. This ers. Each additional	nailing can only be used for certificate cannot be used for paper, such as an assignme	or domestic mailings of the for any other accompanying ant or formal drawing, must	
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ERICSSON IN 6300 LEGACY M/S EVR 1-C-1	DRIVE 1		I he Stat add tran	I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
PLANO, TX 75	024					(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/551,080 TITLE OF INVENTION	08/02/2007 N: RLC WINDOW SIZE	RECONFIGURATION	Joakim Bergstrom		P18218-US1	6351	
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/16/2010	
EXAM	MINER	ART UNIT	CLASS-SUBCLASS]			
TRINH,	, TAN H	2618	455-550100	•			
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required.	ND RESIDENCE DATA less an assignce is ident th in 37 CFR 3.11. Comp	" Indication form ed. Use of a Customer A TO BE PRINTED ON "	or agents OR, alternati (2) the name of a single registered attorney or 2 registered patent to be a substitute for filing an (B) RESIDENCE: (CIT)	le firm (having as a ragent) and the names orneys or agents. If ne printed. pe) patent. If an assigned assignment.	s of up to a name is 3e is identified below, the d	ocument has been filed for	
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🗖 Cor	poration or other private gro	oup entity Government	
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	itus (from status indicated as SMALL ENTITY statu		☐ b. Applicant is no lon	ger claiming SMALI	L ENTITY status. See 37 C.	F R 1 27(a)(2)	
NOTE: The Issue Fee an	nd Publication Fee (if requ		d from anyone other than t			ne assignee or other party in	
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Authorized Signature Typed or printed name							
an application. Confident submitting the complete this form and/or suggest	tiality is governed by 35 d application form to the ions for reducing this but /irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection is es depending upon the indivi- e Chief Information Offic	timated to take 12 m vidual case. Any con er, U.S. Patent and T	inutes to complete, includir nments on the amount of the rademark Office, U.S. Dep	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,	

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10/551,080 08/02/2007		Joakim Bergstrom	P18218-US1 6351		
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ERICSSON INC	•	TRINH, TAN H			
6300 LEGACY DRIVE			ART UNIT	PAPER NUMBER	
M/S EVR 1-C-11 PLANO, TX 7502	Λ		2618		
PLANO, 1A /302	4		DATE MAILED: 03/16/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 530 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 530 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/551,080	BERGSTROM ET AL.			
Notice of Allowability	Examiner	Art Unit			
	TAN TRINH	2618			
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS			
1. This communication is responsive to <u>4-6-2004</u> .					
2. The allowed claim(s) is/are 22-42.					
 Acknowledgment is made of a claim for foreign priority urestanding and the second of the priority documents have second of the second of the priority documents have second of the second of the priority documents have second of the second of the priority documents have second of the second of the priority documents have second of the priority documents have second of the priority documents of the priority documents of the priority documents have second of the prio	been received. been received in Application No cuments have been received in this communication to file a reply received in this communication to file a reply received in the received in this received in t	national stage application from the			
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 					
5. \square CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.				
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached					
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the					
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT					
Attachment(s)					
1. Notice of References Cited (PTO-892)	5. Notice of Informal Page 1	atent Application			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat				
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🗌 Examiner's Amendn				
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☑ Examiner's Stateme9. ☐ Other	nt of Reasons for Allowance			
	3. LI Olliei				

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 09-27-2005 and 12-14-2009, the information disclosure statement has been considered by the examiner.

Allowable Subject Matter

3. Claims 22-42 are allowed.

Reasons for allowance

4. The following is an examiner's statement of reasons for allowance:

Regarding independent claims 22, 33, 37 and 42, the reference of Johansson (U.S. Pub. No. 2004/0170179) disclose In the UTRAN, Radio Link Control (RLC) buffer memory is located at the RNC to transiently store downlink data to be transmitted to the UE via the radio interface. The RNC is directly connected to the CN via the lu interface and represents a central node that is remote from the radio interface between the UE and a Node B, which allocates transport resources of a particular base station to the UE (page 1, par [0018]). For buffering downlink data packets RNC 16 further comprises a number of radio link control (RLC) buffer memory blocks, four of which are shown at positions 26 to 32 (page 5, par [0070]). And the

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reference of Forssell (U.S. Patent No. 7,447,181) disclose a method and an apparatus for organizing PDUs into a transmit queue. In this embodiment the method includes passing a PDU to a Radio Link Control (RLC) unit, the PDU having a flag for indicating a priority of the PDU relative to other PDUs; storing the PDU into the transmit queue in accordance with the indicated priority; and transmitting the stored PDU to a radio channel before any stored PDUs having a lower priority. For the case where the RLC unit is associated with the mobile station, the PDU is a cell change PDU and the cell change PDU is assigned a highest priority (col. 5, lines 1-10).

The above prior art of record, however, fail to disclose or render obvious A telecommunications device and method of the operating comprising: a transceiver which enables the device to communicate over an air interface; a radio link control (RLC) entity which forms uplink RLC protocol data units (PDUs) for transmission over the air interface and which receives downlink RLC protocol data units (PDUs) over the air interface; a radio link control (RLC) buffer memory configured to include a transmitter buffer for storing the uplink RLC protocol data units (PDUs) and a receiver buffer for storing the downlink RLC protocol data units (PDUs); and characterized by: RLC reconfiguration logic means which is arranged to reconfigure at least one of a size of a transmitter buffer window and a size of a receiver buffer window by implementing a strategy for handling at least one of (a) downlink RLC protocol data units (PDUs) which are outside a new receiver buffer window; and (2) uplink RLC protocol data units (PDUs) which are either outside a new transmitter window or whose receipt by the radio access network has not been positively acknowledged; And (A) retaining all downlink RLC protocol data units (PDUs) upon reconfiguration; and, (B) retaining all uplink RLC protocol data units (PDUs) upon reconfiguration and its functions as specified in the claim.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

or faxed to:

(571) 273-8300, (for Technology Center 2600 only)

Hand-delivered responses should be brought to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Trinh whose telephone number is (571) 272-7888. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiners supervisor, Anderson, Matthew D., can be reached at (571) 272-4177.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone

number is (703) 306-0377.

7. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tan H. Trinh

Division 2618

March 4, 2010

/TAN TRINH/

Primary Examiner, Art Unit 2618